

1C FIRST LEVEL CODE PLAN
1/16" = 1'-0"



5C **THIRD LEVEL CODE PLAN**
1/16" = 1'-0"



1F SECOND LEVEL CODE PLAN
1/16" = 1'-0"

CODE SUMMARY			
PROJECT:	SIOUX FALLS VA HEALTH CARE SYSTEM ACUTE INPATIENT MEDICAL UNIT SIOUX FALLS, SOUTH DAKOTA	BUILDING:	ADDITION AND RENOVATION
OWNER:	OFFICE OF CONSTRUCTION & FACILITIES MANAGEMENT DEPARTMENT OF VETERANS AFFAIRS ADDRESS?	USE:	HOSPITAL AND OUTPATIENT SERVICES
ARCHITECT:	TSP, INC. 1112 N. WEST AVE SIOUX FALLS, SD 57104	OCCUPANCY:	HEALTHCARE
BUILDING CODE:	NFPA 101 Life Safety Code (2009)	CONSTRUCTION TYPE:	LSC TABLE 18.1.6.2 Type II (22d)
FIRE CODE:	NFPA National Fire Codes with the exception of NFPA 5000 and NFPA 800	ALLOWABLE HEIGHT:	LSC TABLE 18.1.6.1 (4) OR MORE STORIES
STRUCTURAL CODE:	IBC 2009	ACTUAL HEIGHT:	EXISTING NEW 72' - 4.8" 51' - 8"
PLUMBING CODE:	National Standard Plumbing Code (NSPC)	ALLOWABLE AREA/FLOOR	LSC N/A
MECHANICAL CODE:	ASHRAE Standard 62.1-2004 ASHRAE Standard 15-2007	ACTUAL AREA/FLOOR	FIRST SECOND THIRD
ELECTRICAL CODE:	NEC 2009 (NATIONAL ELECTRICAL CODE)	EXISTING	1,283 8,992 6,054
BOILER CODE:	ASME Boiler and Pressure Vessel Code ASME Code for Pressure Piping	NEW	4,332 5,958 5,980
ACCESSIBILITY CODE:	Architectural Barriers Act Accessibility Standards (ABAAS) including VA supplement, Barrier Free Design Guide (PG-18.13)	TOTAL	5,595 14,950 12,044
CONCRETE REQUIREMENTS:	Building Code Requirements for Reinforced Concrete, American Concrete Institute and Commentary (ACI 318)	EXISTING REMODEL	NONE 8,992 6,054
		FIRE RESISTIVE REQUIREMENTS	LSC TABLE A.8.2.1
		BEARING WALLS (EXTERIOR):	2 HR
		BEARING WALLS (INTERIOR):	2 HR
		NONBEARING WALLS (EXTERIOR):	0 HR
		PARTITIONS:	0 HR
		STRUCTURAL FRAME:	2 HR
		FLOOR AND FLOOR CEILING:	2 HR
		ROOF AND ROOF CEILING:	1 HR
		SHAFT ENCLOSURES:	2 HR
		STAIRWAY CONSTRUCTION:	2 HR










CODE PLAN NOTES

1. THE BUILDING AND SPACES THROUGHOUT THE FACILITY ARE FULLY PROTECTED BY A FULLY SUPERVISED FIRE SUPPRESSION SYSTEM.
2. THE BUILDING AND SPACES THROUGHOUT THE FACILITY ARE FULLY PROTECTED BY A FULLY SUPERVISED FIRE ALARM SYSTEM.
 - a. OTHER SPACES TO THE CORRIDOR COMPLY WITH LSC 183.6
3. ADDITION: LSC 181.1.4: EXISTING FACILITY CONFORMS TO CHAPTER 19 REQUIREMENTS. NO FIRE BARRIER REQUIRED.
4. CORRIDORS: LSC 182.3.9/2.3.3
 - a. NEW CORRIDORS SHALL BE 6'-0" WIDE UNLESS NOTED OTHERWISE.
 - b. EXISTING CORRIDORS IN REMODEL AREAS SHALL BE MAINTAINED AT EXISTING CLEAR WIDTH OF 6'-8" UNDO, WHICH EXCEEDS MINIMUM REQUIREMENTS FOR EXISTING FACILITIES.
5. DOORS: LSC 182.3.5
 - a. CLEAR WIDTH FOR DOORS SERVING PATIENTS SHALL BE MIN 44".
 - b. PAINTED DOORS SHALL MEET EXCEPTION NO. 4 WHERE ONE LEAF PROVIDES AT LEAST 32" CLEAR.
 - c. CORRIDOR DOORS SHALL NOT BE RATED UNLESS OTHERWISE REQUIRED.
6. ARRANGEMENT OF MEANS OF EGRESS: LSC 182.5
 - a. TRAVEL DISTANCE: LSC 182.8
 - b. TRAVEL DISTANCE TO NEAREST EXIT SHALL NOT EXCEED 150' FT. FROM THE ROOM DOOR TO AN EXIT. MAX 200' FROM ANY POINT IN ROOM.
7. PROTECTION FROM HAZARDS: LSC 183.2
 - a. HAZARDOUS AND INCIDENTAL USE AREAS SHALL BE SEPARATED BY ONE-HOUR RATED FIRE RESISTIVE CONSTRUCTION.
8. CORRIDORS: LSC 183.6
 - a. CORRIDOR PARTITIONS SHALL LIMIT THE TRANSFER OF SMOKE AND ARE NOT FIRE RATED UNLESS NOTED OTHERWISE.
 - b. CORRIDOR WALLS AND PARTITIONS SHALL EXTEND TO BOTTOM OF FLOOR OR ROOF DECK FOR ACUSTIC AND FIRE SMOKE RESISTANCE UNLESS NOTED OTHERWISE ON THE PLAN.
 - c. CORRIDOR WALLS DOORS HAVE NO LIMITATION ON AREA OF VISION PANELS.
 - d. CLOSERS ARE NOT REQUIRED ON CORRIDOR DOORS UNLESS SERVING AS AN EXIT, SMOKE BARRIER, ENCLOSURE OR HAZARDOUS AREA.
 - e. NON-RATED, APPLIED PROTECTIVE PLATES ARE PERMITTED TO 48" MAX.
9. SMOKE COMPARTMENTS: LSC 183.7
 - a. EACH FLOOR SHALL HAVE A MINIMUM OF TWO SMOKE COMPARTMENTS. EACH COMPARTMENT SHALL NOT EXCEED 22,000 SF.
 - b. TRAVEL DISTANCE TO NEAREST DOOR IN SMOKE BARRIER SHALL NOT EXCEED 200 FT.
 - c. SMOKE BARRIERS SHALL BE OF 1 HOUR RATED CONSTRUCTION MINIMUM.

CODE PLAN GENERAL NOTES

- A. REFER TO THE FIRE-SMOKE RESISTANCE LEGEND AND CONSTRUCTION TYPES FOR WALL TYPES AND RATINGS.
- B. ALL PARTITIONS SHOWN WITH A FIRE-SMOKE RESISTANCE DESIGNATION SHALL TERMINATE AT THE FLOOR/ ROOF DECK WITH UL LISTED FIRE-SMOKE STOPPING ASSEMBLY. REFER TO WALL TYPES FOR CONSTRUCTION ASSEMBLY INFORMATION
- C. ALL PENETRATIONS OF RATED WALL AND FLOOR/CEILING OR ROOF/CEILING CONSTRUCTION SHALL BE SEALED WITH UL LISTED ASSEMBLIES EQUALING RATING OF ITEM PENETRATED.
- D. CONTRACTORS AND SUB-CONTRACTORS OF EACH TRADE SHALL BE RESPONSIBLE FOR INCLUDING WORK ASSOCIATED WITH FIRE PROTECTION OF ALL SPECIFIC TRADE RELATED PENETRATIONS THROUGH RATED WALLS AND FLOOR/CEILING ASSEMBLIES. THE SURETY RELATED TO PENETRATIONS BY EACH TRADE SHALL BE PERFORMED BY INDIVIDUALS EXPERIENCED WITH INSTALLING U.L. RATED PENETRATION ASSEMBLIES.
- E. EACH PENETRATION SYSTEM SHALL BE SUBMITTED AND MARKED AS SUCH.

LIFE SAFETY LEGEND

- 1 Hour Fire Partition 
 1 Hour Fire Barrier 
 2 Hour Fire Barrier 
 1 Hour Smoke Barrier 
 Smoke Partition 
 Fire Extinguisher 
 Fire Extinguisher Cabinet 
 Travel Distance 
 Exit Width 
 Exit Sign 